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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-78. (Cancelled)

79. (Previously Presented) A transgenic cereal plant seed produced by the method of claim 113.

80-89. (Cancelled)

- 90. (Previously Presented) The expression cassette according to claim 112 wherein the promoter is a gamma zein promoter or a waxy promoter.
- (Previously Presented) A vector comprising the expression cassette of claim
 112.

92-104. (Cancelled)

105. (Previously Presented) The transgenic cereal plant seed of claim 114 wherein the seed endosperm-preferred promoter is heterologous to the polynucleotide.

106-111. (Cancelled)

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- 112. (Currently Amended) An expression cassette comprising a seed endosperm-preferred promoter operably linked to a polynucleotide encoding a barley alpha-hordothionin protein modified to contain one or <u>both</u> mere of about 7 mole % to about 40 mole % lysine or about 6 mole % to about 40 mole % of a sulfur-containing amino acid.
- 113. (Currently Amended) A method for increasing the level of one or both more of lysine or sulfur-containing amino acids in a cereal plant seed, the method comprising:
 - a) transforming a cereal plant cell with an expression cassette_and
 - <u>b)</u> regenerating a transgenic cereal plant to produce a transgenic cereal plant seed,

wherein the expression cassette comprises a seed endosperm-preferred promoter operably linked to a polynucleotide encoding a barley alphahordothionin protein modified to contain one or <u>both</u> more of about 7 mole % to about 40 mole % lysine or about 6 mole % to about 40 mole % of a sulfur-containing amino acid and wherein the level of lysine or sulfur-containing amino acid is increased in the transgenic cereal plant seed compared to a corresponding non-transgenic cereal plant seed.

114. (Currently Amended) A transgenic cereal plant seed comprising a modified barley alpha-hordothionin polynucleotide operably linked to a seed endosperm-preferred promoter, wherein the polynucleotide encodes a barley alpha-hordothionin protein modified to contain one or both mere of about 7 mole % to about 40 mole % lysine or about 6 mole % to about 40 mole % of a sulfur-containing amino acid and wherein the transgenic cereal plant seed comprises an elevated level of lysine or sulfur-containing amino acid compared to a corresponding non-transgenic cereal plant seed.

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- 115. (Currently Amended) A transgenic cereal plant comprising a modified barley alpha-hordothionin polynucleotide operably linked to a seed endosperm-preferred promoter, wherein the polynucleotide encodes a barley alpha-hordothionin protein modified to contain one or both more of about 7 mole % to about 40 mole % lysine and/or about 6 mole % to about 40 mole % of a sulfur-containing amino acid and wherein transgenic seed of the transgenic cereal plant comprise an elevated level of lysine or sulfur-containing amino acid compared to a corresponding non-transgenic cereal plant seed.
- alpha-hordothlonin polynucleotide operably linked to a seed endospermpreferred promoter, wherein the polynucleotide encodes a barley alphahordothlonin protein modified to contain one or both more of about 7 mole %
 to about 40 mole % lysine and/or about 6 mole % to about 40 mole % of a
 sulfur-containing amino acid and wherein transgenic seed resulting from the
 transgenic plant cell comprise one or both more of an elevated level of lysine
 or sulfur-containing amino acid compared to a corresponding non-transgenic
 cereal plant seed.

117-120. (Cancelled)